

Recombinant Cattle CYP11A1 protein, His & T7-tagged

Cat. No. CYP11A1-8076C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle CYP11A1 aa. (Val391~Gln515 (Accession # P00189)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Cattle
Source	E.coli
ProteinLength	Val391~Gln515
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.4kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CYP11A1 cytochrome P450, family 11, subfamily A, polypeptide 1 [Bos taurus (cattle)]
Official Symbol	CYP11A1
Synonyms	CYP11A1; CYP11A; CYPXIA1; P450(scc); cholesterol side-chain cleavage enzyme, mitochondrial; cholesterol desmolase; cytochrome P450 11A1; cytochrome P450(scc)
Gene ID	338048
mRNA Refseq	NM_176644.2
Protein Refseq	NP_788817.1
UniProt ID	P00189

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SDS-PAGE

